

**NEW JERSEY DEPARTMENT OF AGRICULTURE  
STATE SOIL CONSERVATION COMMITTEE  
Chapter 251, PL 1975 as amended,  
Engineering Policies- Technical Bulletin**

<b><u>Technical Bulletin:</u></b> <b>2007-1.0</b>	<b><u>Effective Date:</u></b> <b>September 2007</b>
<b><u>Subject:</u></b> <b>Application of the Standard for Detention Basins and Offsite Stability to combined detention/infiltration basins and similar structures</b>	<b><u>From:</u></b> <b>Hunter Birkhead, P.E., Section Chief</b>

**1.01 PURPOSE**

To distribute a supplement to the Standards for Soil Erosion and Sediment Control, Standard for Detention Basins (13-1) and Offsite Stability (21-1), 1999 Edition regarding the routing of infiltration storage in basins used for both infiltration and detention.

**1.02 SUMMARY**

The Standard for Detention Basins requires that infiltration not be included as a means of reducing peak flows, due to the tendency of infiltration structures (basins, trenches, drywells etc) to become non-functional. This requirement applies to combined detention/infiltration basins where the bottom of the basin is used for “infiltration storage” below the invert of the lowest outlet orifice.

In the event that a basin may be designed with infiltration storage (dead storage) below the lowest outlet invert, this storage volume must be discounted and the basin routed assuming that infiltration storage volume is unavailable. Offsite stability must then be documented by analyzing the resulting peak flows in accordance with that Standard.